--Checking the relation of the victim and the suspects--

select relation\_to\_victim, count (\*) As 'count'

from suspects

Group by relation\_to\_victim

order by count

--Rivals--

select \* from suspects

Where relation\_to\_victim = 'Rival'

--Checking alibis and movements of rivals

select sus.suspect\_id, name, role, relation\_to\_victim, alibi, access\_time, door\_accessed, success\_flag

from suspects As sus

left join access\_logs As al

on sus.suspect\_id = al.suspect\_id

where (access\_time between '2025-06-01 19:50:00' and '2025-06-01 20:05:00') and relation\_to\_victim = 'Rival' and success\_flag = 1

order by name, access\_time

--First Suspect VICTOR SHAW--

--Checking alibis and movements of business partners

select sus.suspect\_id, name, role, relation\_to\_victim, alibi, access\_time, door\_accessed, success\_flag

from suspects As sus

join access\_logs As al

on sus.suspect\_id = al.suspect\_id

where (access\_time between '2025-06-01 19:50:00' and '2025-06-01 20:05:00') and relation\_to\_victim = 'business partner' and success\_flag = 1

order by name, access\_time

--Checking alibis and movements of former partner

select sus.suspect\_id, name, role, relation\_to\_victim, alibi, access\_time, door\_accessed, success\_flag

from suspects As sus

join access\_logs As al

on sus.suspect\_id = al.suspect\_id

where (access\_time between '2025-06-01 19:50:00' and '2025-06-01 20:05:00') and relation\_to\_victim = 'Former partner' and success\_flag = 1

order by name, access\_time

--Second suspect ROBIN AHMED--

--Checking alibis and movements of staff

select sus.suspect\_id, name, role, relation\_to\_victim, alibi, access\_time, door\_accessed, success\_flag

from suspects As sus

join access\_logs As al

on sus.suspect\_id = al.suspect\_id

where (access\_time between '2025-06-01 19:50:00' and '2025-06-01 20:05:00') and relation\_to\_victim = 'Staff' and success\_flag = 1

order by name, access\_time

--Checking alibis and movements of others

select sus.suspect\_id, name, role, relation\_to\_victim, alibi, access\_time, door\_accessed, success\_flag

from suspects As sus

join access\_logs As al

on sus.suspect\_id = al.suspect\_id

where (access\_time between '2025-06-01 19:50:00' and '2025-06-01 20:05:00') and relation\_to\_victim in ('Investor', 'Stranger', 'Guest', 'Friend', 'Relative')

and success\_flag = 1

order by name, access\_time

--Everyone here checks out--

/\*Forensics Analysis

Who last saw the victim alive at 7:57pm?

\*/

select sus.suspect\_id, name, role, relation\_to\_victim, alibi, access\_time, door\_accessed, success\_flag

from suspects As sus

join access\_logs As al

on sus.suspect\_id = al.suspect\_id

where (access\_time between '2025-06-01 19:56:00' and '2025-06-01 19:59:00')

order by name, access\_time

--Robin Ahmed was the last person to see the victim alive--

--Gunshot at 8pm

--CHecking for movements between 7:59 and 8:02

select sus.suspect\_id, name, role, relation\_to\_victim, alibi, access\_time, door\_accessed, success\_flag

from suspects As sus

join access\_logs As al

on sus.suspect\_id = al.suspect\_id

where (access\_time between '2025-06-01 19:59:00' and '2025-06-01 20:02:00')

order by name, access\_time

--Jamie Bennett—

--CHecking for calls shortly before and after the gunshot--

select sus.name, role, relation\_to\_victim, recipient\_relation, call\_time, call\_duration

from suspects As sus

join call\_records As calls

On sus.suspect\_id = calls.suspect\_id

Where call\_time between '2025-06-01 19:58:04' and '2025-06-01 20:02:00'

--Alex SHaw made a call seconds after the shooting

/\*Security feed cut at 8:03

Checking movements around the office at the time

\*/

select sus.suspect\_id, name, role, relation\_to\_victim, alibi, access\_time, door\_accessed, success\_flag

from suspects As sus

join access\_logs As al

on sus.suspect\_id = al.suspect\_id

where (access\_time between '2025-06-01 20:00:00' and '2025-06-01 20:03:00') and door\_accessed = 'Office'

order by name, access\_time

--Susan knight

/\* An emergency call was placed from the mansion at 8:05:45

Check who made the call

\*/

select sus.name, role, relation\_to\_victim, call\_time, recipient\_relation

from suspects As sus

join call\_records As calls

on sus.suspect\_id = calls.suspect\_id

where call\_time between '2025-06-01 20:04:00' and '2025-06-01 20:06:00'

--None of the suspects made the call or the record isn't shown on the call logs

--Was anyone in the vault room shortly before or after the murder?--

Select suspects.name, suspects.relation\_to\_victim, suspects.alibi, door\_accessed,access\_time,success\_flag

from suspects

join access\_logs

on suspects.suspect\_id = access\_logs.suspect\_id

where (door\_accessed ='Vault room' and success\_flag = 1) and access\_time between '2025-06-01 19:55:00' and '2025-06-01 20:05:00'

order by name, access\_time desc

--Victor shaw, Robin Ahmed & Jamie Bennette

-- inconsistencies between access logs and alibi claims

Select suspects.name, suspects.relation\_to\_victim, suspects.alibi, door\_accessed,access\_time,success\_flag

from suspects

join access\_logs

on suspects.suspect\_id = access\_logs.suspect\_id

Where success\_flag = 1

order by name, access\_time

--Last call to victim was by Susan Knight--

select sus.name, alibi, call\_records.call\_time, recipient\_relation

from suspects As sus

join call\_records

on sus.suspect\_id = call\_records.suspect\_id

where recipient\_relation = 'Victim'

order by call\_time

--Top suspects- Victor Shaw, Robin Ahmed & Jamie Bennette and Susan Knight

--Culprits--

select \* from suspects

where suspect\_id in ( 7, 17, 27, 28)